

Fig. 1

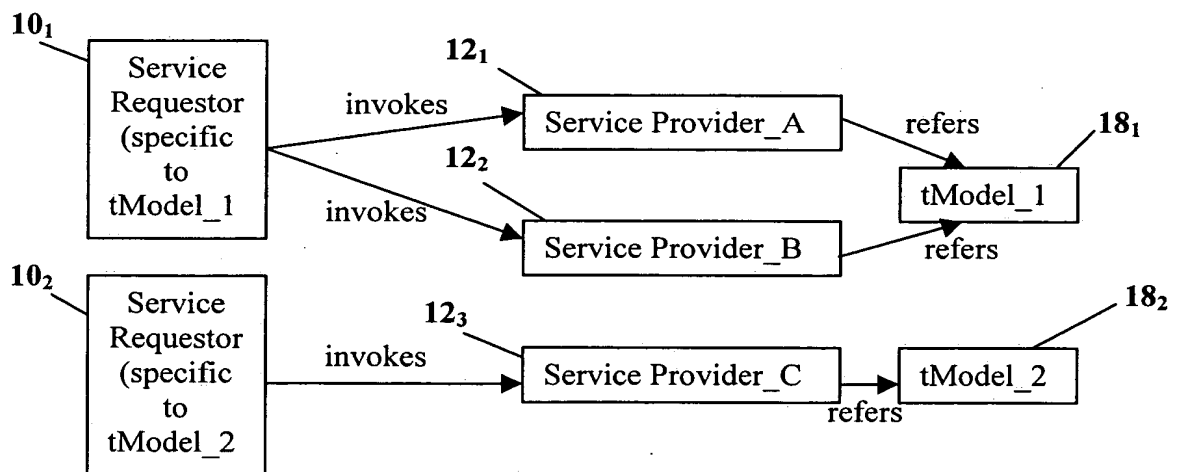


Fig. 2

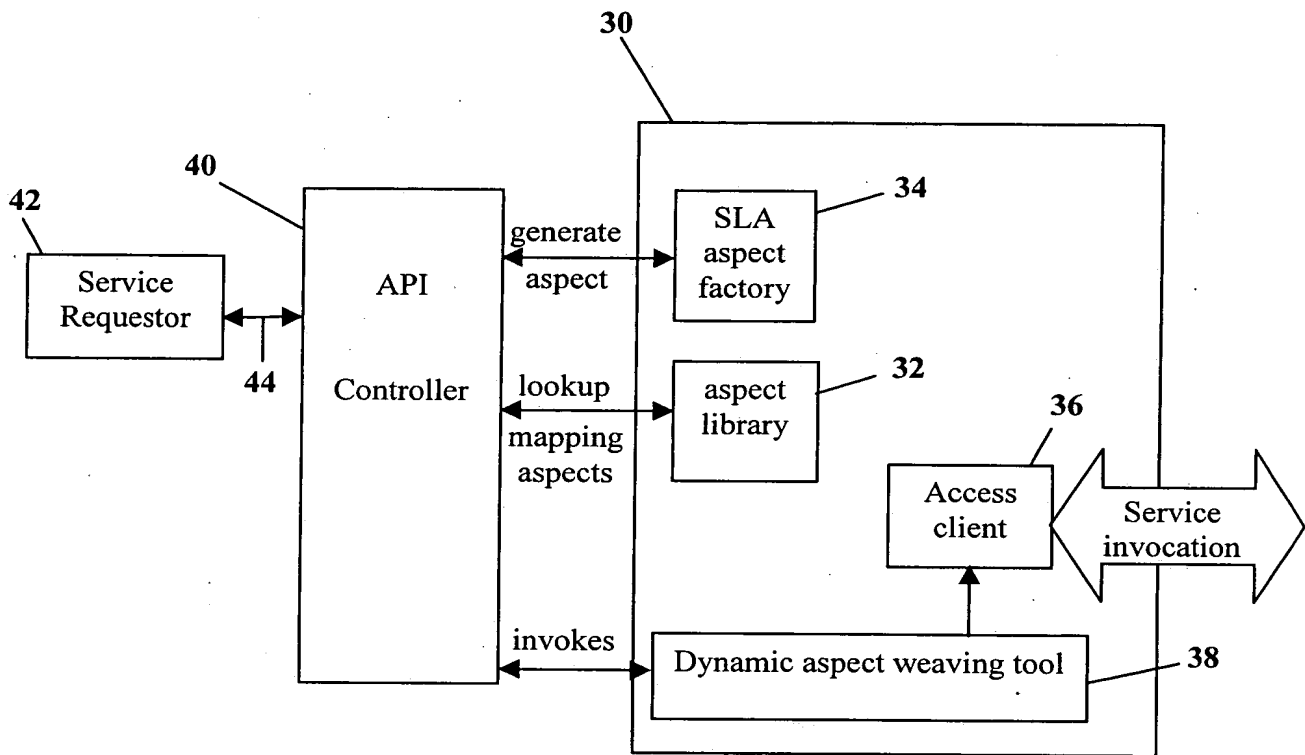


Fig. 3

Access Client

Method validate User ()

Method deploy Security ()

Method request Prepare ()

Method invoke Service ()

Method response Process ()

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Method correlate Response ()

Fig. 4

```

aspect RequestMapping{
    pointcut modelMap():
        call(void AccessClient.requestPrepare(param));
    before(): modelMap(){
        System.out.println("Entering: " + thisJoinPoint);

        // Mapping logic
        Tmodel3.InventoryCheck = Tmodel5.CheckAvailability
        Tmodel3.InventoryRequest = Tmodel5.CheckAvailabilityRequest
        Tmodel3.InventoryResponse = Tmodel5.CheckAvailabilityResult
    }
}
*****
aspect ResponseMapping{

    pointcut reverseModelMap():
        call(Param AccessClient.responseProcess());
    after(): reverseModelMap(){
        System.out.println("Entering: " + thisJoinPoint);

        // Mapping logic
        Tmodel5.CheckAvialbility=Tmodel3.InventoryCheck
        Tmodel5.CheckAvialbilityRequest=Tmodel3.InventoryRequest
        Tmodel5.CheckAvialbilityResult=Tmodel3.InventoryResponse
    }
}

```

Fig. 5

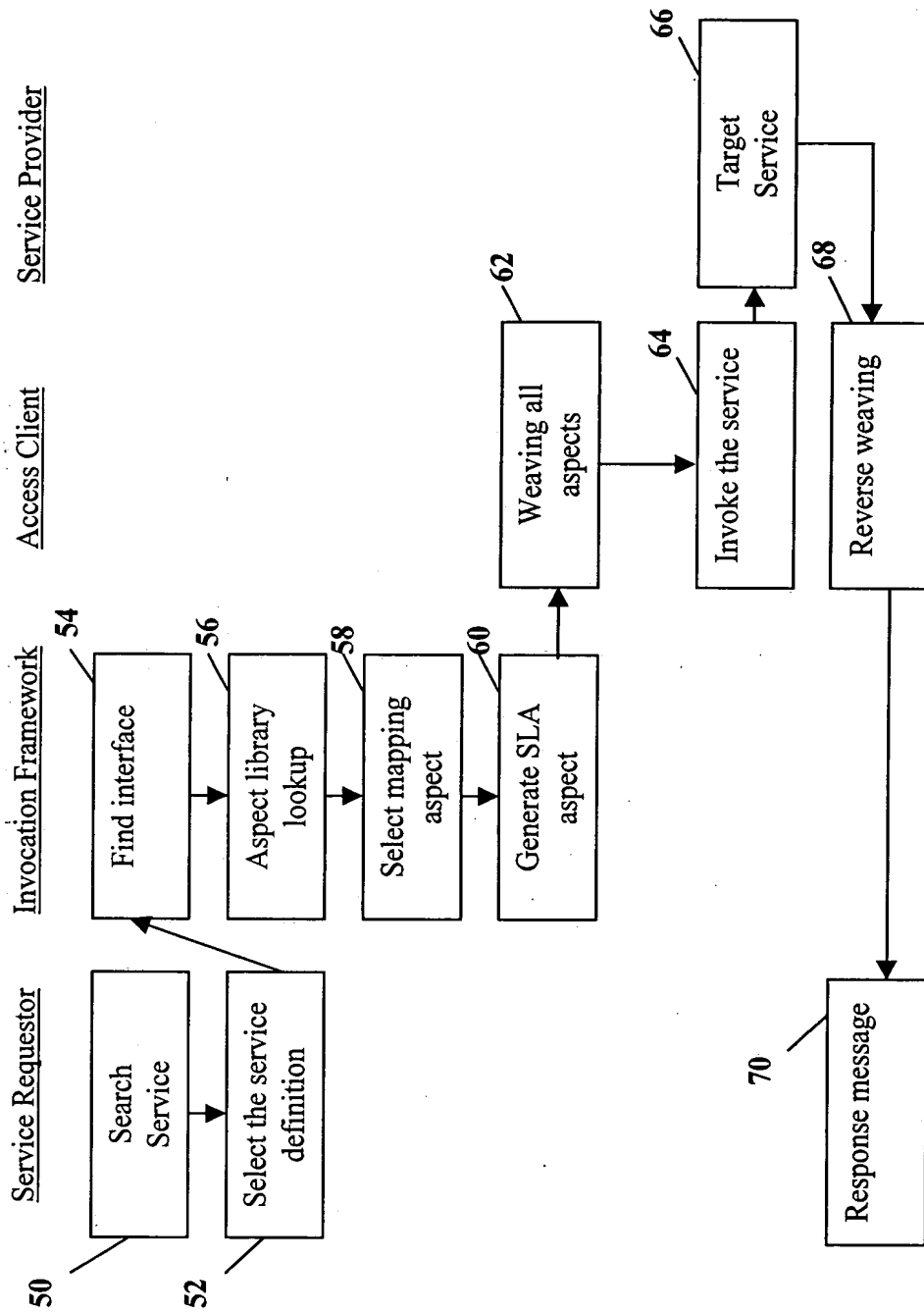
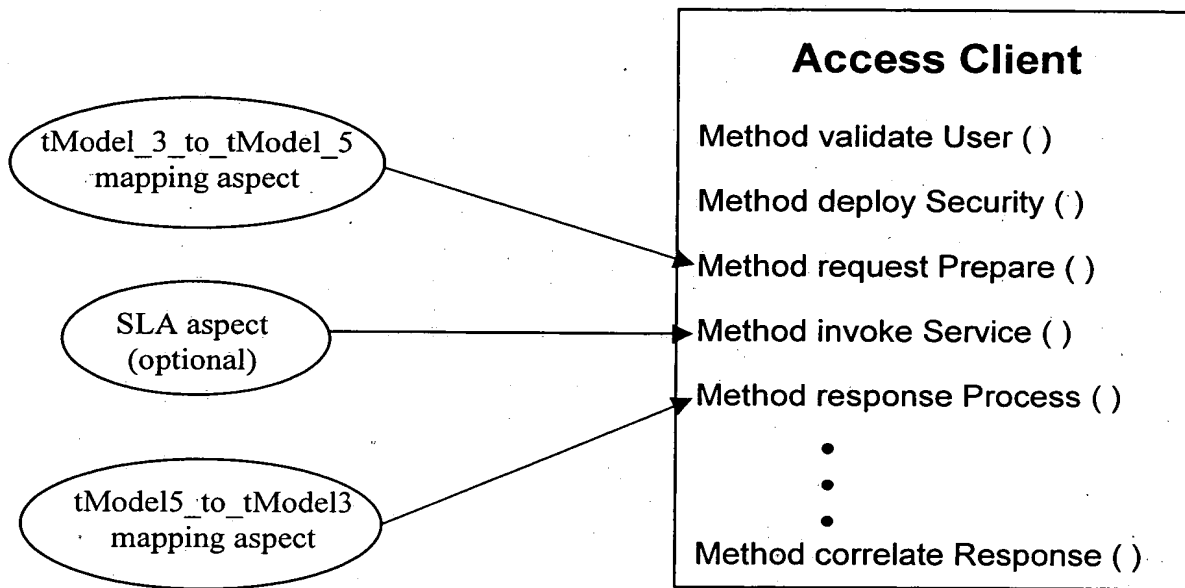


Fig. 6

**Fig. 7**